

14230 U.S.PTO



PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1875.4970001
First Inventor	Kevin L. MILLER
Title	See 1 in Addendum
Express Mail Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 27]
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Sheets 13]

5. Oath or Declaration [Total Sheets 6]

- a. Newly executed (original or copy)
- b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney

11. English Translation Document (if applicable)

12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503) Two (2) (Should be specifically itemized)

15. Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. Other: Authorization Under 37 CFR 1.136(a)(3).....
The name of the assignee is: Broadcom Corporation

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner _____ Art Unit: _____
For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number: 26111 OR Correspondence address below

Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.		
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Theodore A. Wood	Registration No. (Attorney/Agent)	52,374
Signature	<i>Theodore A. Wood</i>	Date	March 3, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

236843_1.DOC

U.S.PTO
17510 10/79/534

030304

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 810.00)

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Kevin L. MILLER
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	1875.4970001

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other** None

 **Charge any deficiencies or credit any overpayments in Deposit Account: the fees to Deposit Acct. No. 19-0036

Deposit Account Number 19-0036
 Deposit Account Name Sterne Kessler, Goldstein & Fox P.L.L.C.

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)		770.00	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
20	- 20 **= 0		X 18.00	= 0.00	
3	- 3 **= 0		X 86.00	= 0.00	
				290.00	= 0.00

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		0.00

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40.00
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$)	40.00

SUBMITTED BY

Name (Print/Type)	Signature	Registration No. (Attorney/Agent)	Telephone
Theodore A. Wood	<i>Theodore A. Wood</i>	52,374	(202) 371-2600

(Complete if applicable)

Date March 3, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

236814.1_DOC

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



ATTORNEYS AT LAW

Robert Greene Sterne	Judith U. Kim	Elizabeth J. Haanes	Michael D. Specht	Teresa A. Colella
Edward J. Kessler	Timothy J. Shea, Jr.	Joseph S. Ostroff	Jessica L. Parezo	Jeffrey S. Lundgren
Jorge A. Goldstein	Patrick E. Garrett	Frank R. Cottingham	Timothy A. Doyle*	Victoria S. Rutherford
David K.S. Cornwell	Heidi L. Kraus	Christine M. Uhlier	Cynthia M. Bouchez	Eric D. Hayes
Robert W. Esmond,	Edward W. Yee	Rae Lynn Prengaman	Nicole D. Dreier*	Michelle K. Holoubek
Tracy-Gene G. Durkin	Albert L. Ferro*	Jane Shershenovich*	Ted J. Ebersole	Robert H. DeSelms
Michele A. Cimbala	Donald R. Banowitz	Lawrence J. Carroll*	Registered Patent Agents*	Julie A. Heider
Michael B. Ray	Peter A. Jackman	George S. Bardmesser	Karen R. Markowicz	Mita Mukerjee
Robert E. Sokohl	Teresa U. Medler	Daniel A. Klein*	Nancy J. Leith	Scott M. Woodhouse
Eric K. Steffe	Jeffrey S. Weaver	Jason D. Eisenberg	Helene C. Carlson	Of Counsel
Michael Q. Lee	Kendrick P. Patterson	Michael D. Specht	Gaby L. Longsworth	Kenneth C. Bass III
Steven R. Ludwig	Vincent L. Capuano	Andrea J. Kamage	Matthew J. Dowd	Evan R. Smith
John M. Covert	Eldora Ellison Floyd	Tracy L. Muller*	Aaron L. Schwartz	Marvin C. Guthrie
Linda E. Alcorn	Thomas C. Fiala	LuAnne M. DeSantis	Mary B. Tung	*Admitted only in Maryland
Robert C. Millonig	Brian J. Del Buono	John J. Figueroa	Katrina Y. Pei Quach	*Admitted only in Virginia
Lawrence B. Bugaisky	Virgil Lee Beaston	Ann E. Summerfield	Bryan L. Skelton	*Practice Limited to
Donald J. Featherstone	Kimberly N. Reddick	Tiera S. Coston*	Robert A. Schwartzman	Federal Agencies
Michael V. Messinger	Theodore A. Wood	Aric W. Ledford*		

March 3, 2004

WRITER'S DIRECT NUMBER:
(202) 772-8520

INTERNET ADDRESS:
TWOOD@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Mail Stop: Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No.: (To Be Assigned); Filed: Herewith
For: **Method and System for Converting Digital Samples to an Analog Signal**

Inventors: Kevin L. MILLER *et al.*
Our Ref: 1875.4970001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

Method and System for Converting Digital Samples to an Analog Signal

and naming as inventors:

Kevin Lee MILLER
Keith LaRell Klingler
Brian Francis Schoner

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. An original executed Declaration;

Commissioner for Patents
March 3, 2004
Page 2

- c. A specification containing:
 - i. 21 pages of description prior to the claims;
 - ii. 5 pages of claims (20 claims - 3 Independent);
 - iii. a one (1) page abstract;
- d. 13 sheets of drawings: (Figures 1-13);

4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
5. Recordation Form Cover Sheet;
6. An original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested;
7. Two (2) return postcards; and
8. Credit Card Payment Form (PTO-2038) in the amount of \$810.00 to cover:
\$770.00 - Filing fee for patent application; and
\$ 40.00 - Assignment Recordation fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Theodore A. Wood
Attorney for Applicants
Registration No. 52,374

PEG/TAW:ddc
Enclosures

236776_1.DOC

**Addendum for Utility Patent Application Transmittal
(Form PTO/SB/05) (1875.4970001)**

- 1. Method And System For Converting Digital Samples To An Analog Signal**

Addendum for Recordation Form Cover Sheet (1875.4970001)

1. 1). January 23, 2004, 2). January 15, 2004, 3). March 2, 2004
2. Execution dates are: January 23, 2004, January 15, 2004 and March 2, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kevin L. MILLER *et al.*

Appl. No.: To Be Assigned

Filed: Herewith

For: **Method and System for Converting
Digital Samples to an Analog Signal**

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.4970001

**Authorization to Treat a Reply as Incorporating an
Extension of Time Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Theodore A. Wood
Attorney for Applicants
Registration No. 52,374

Date: March 3, 2004

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600